

FIGURE 1

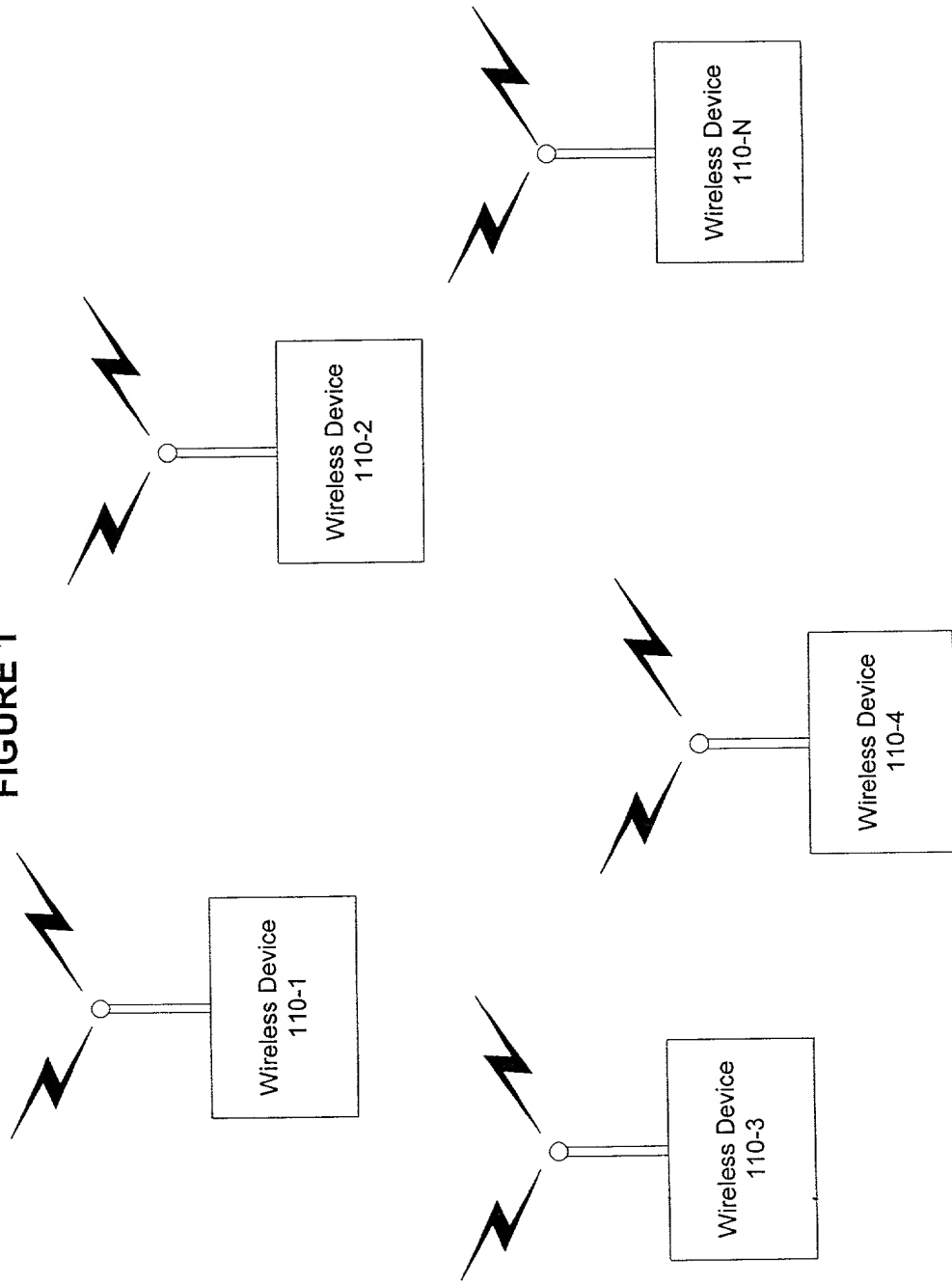


FIG. 2

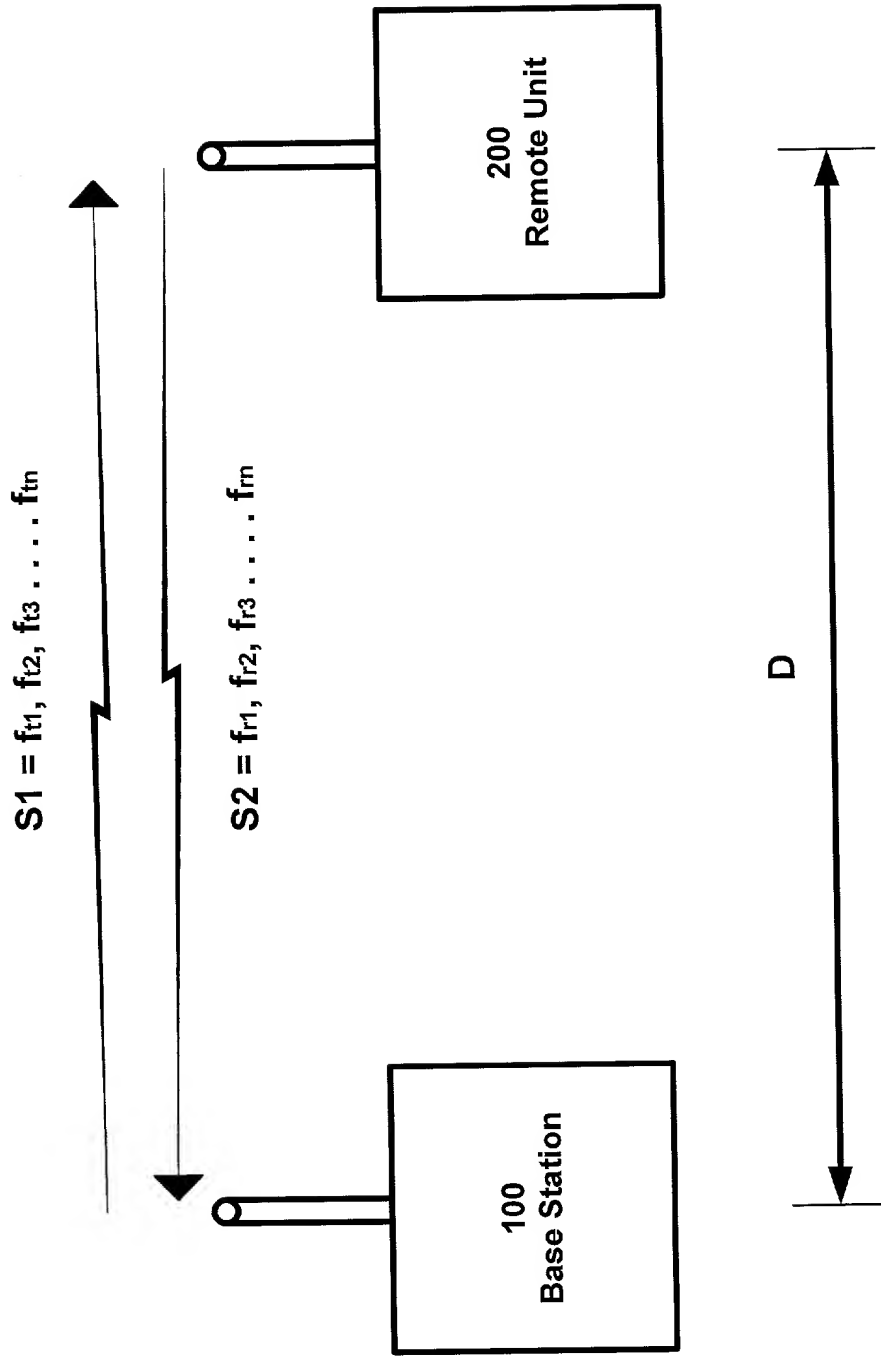


Fig. 2

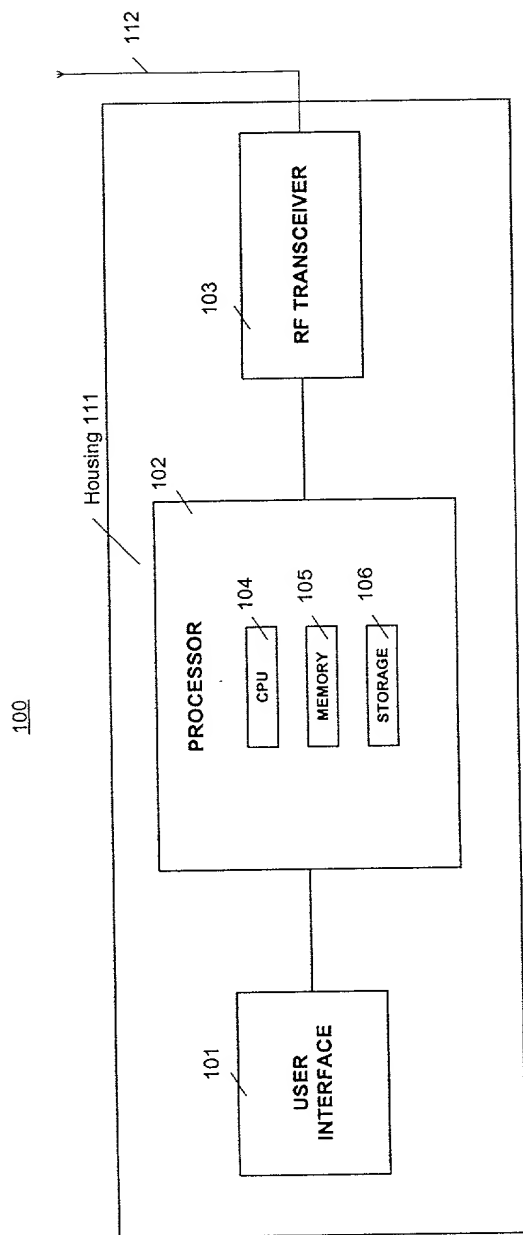


FIG. 3A

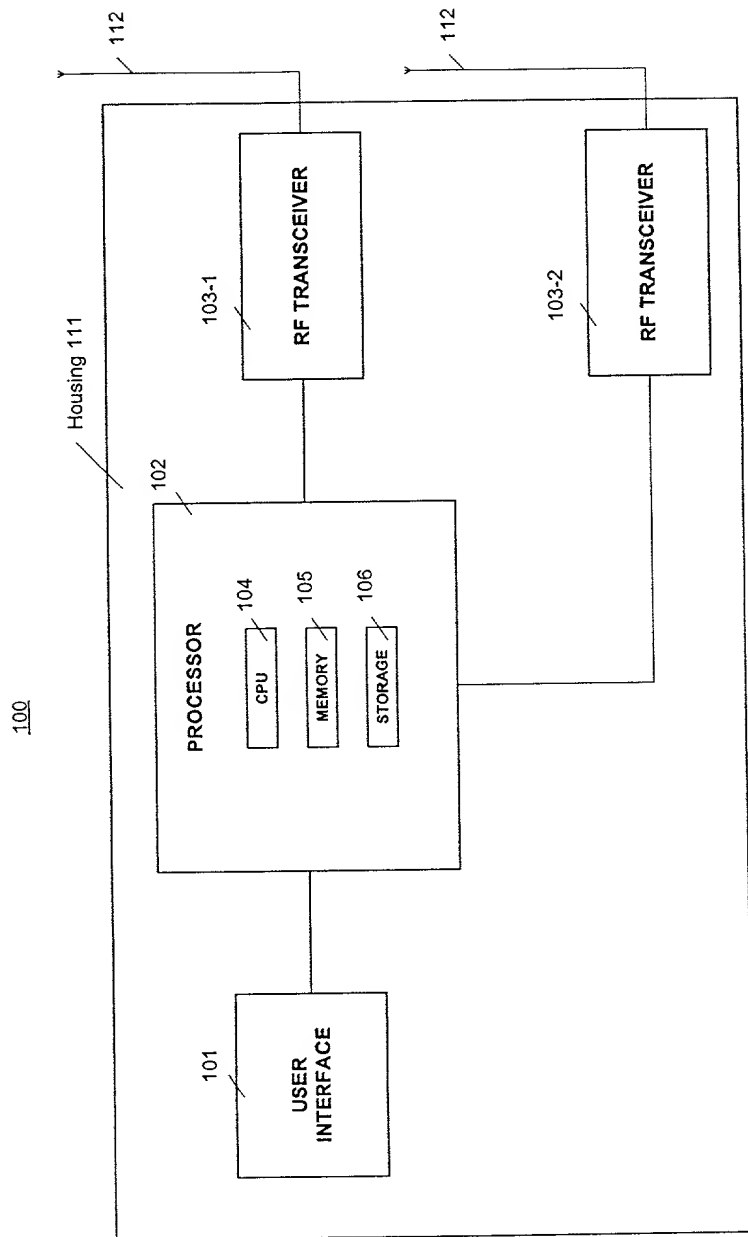


FIG. 3B

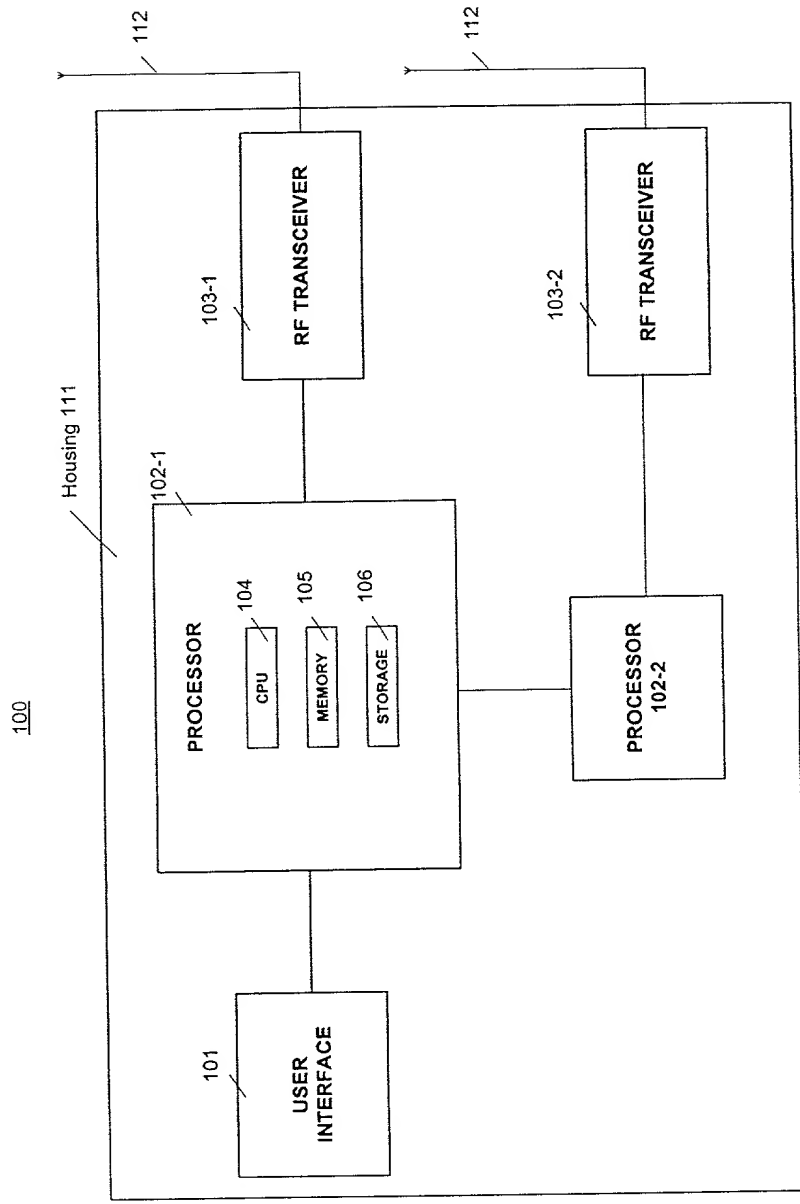


FIG. 3C

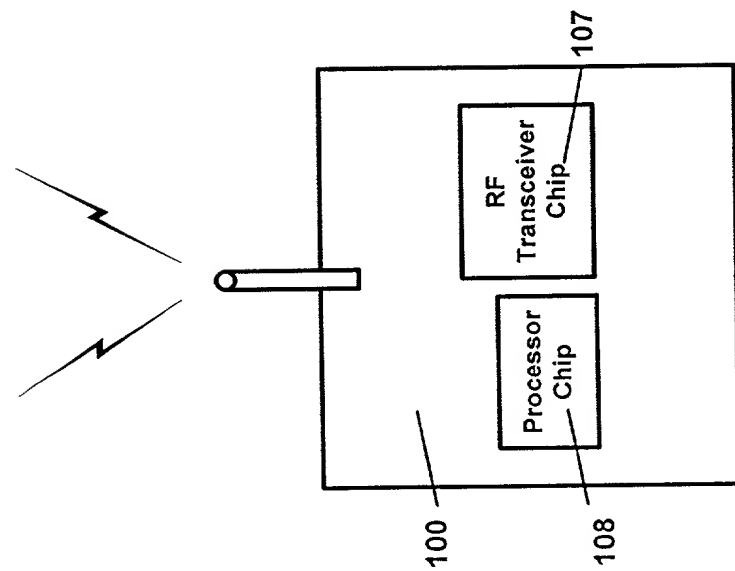


Fig. 4A

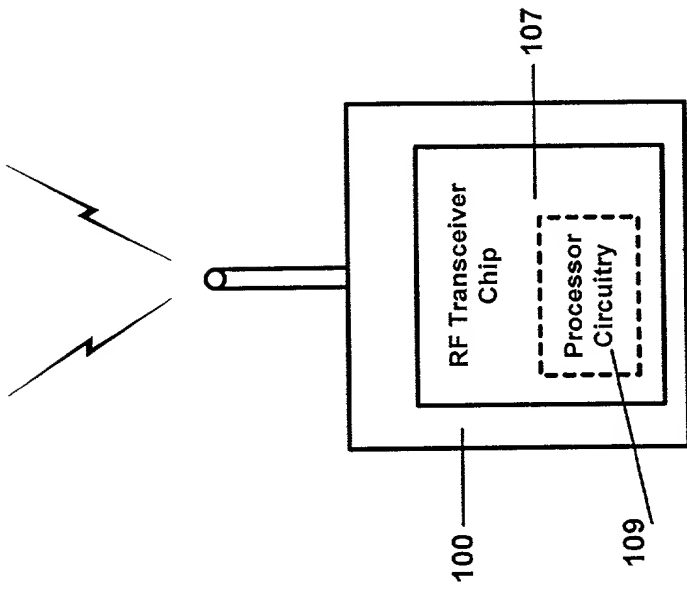


Fig. 4B

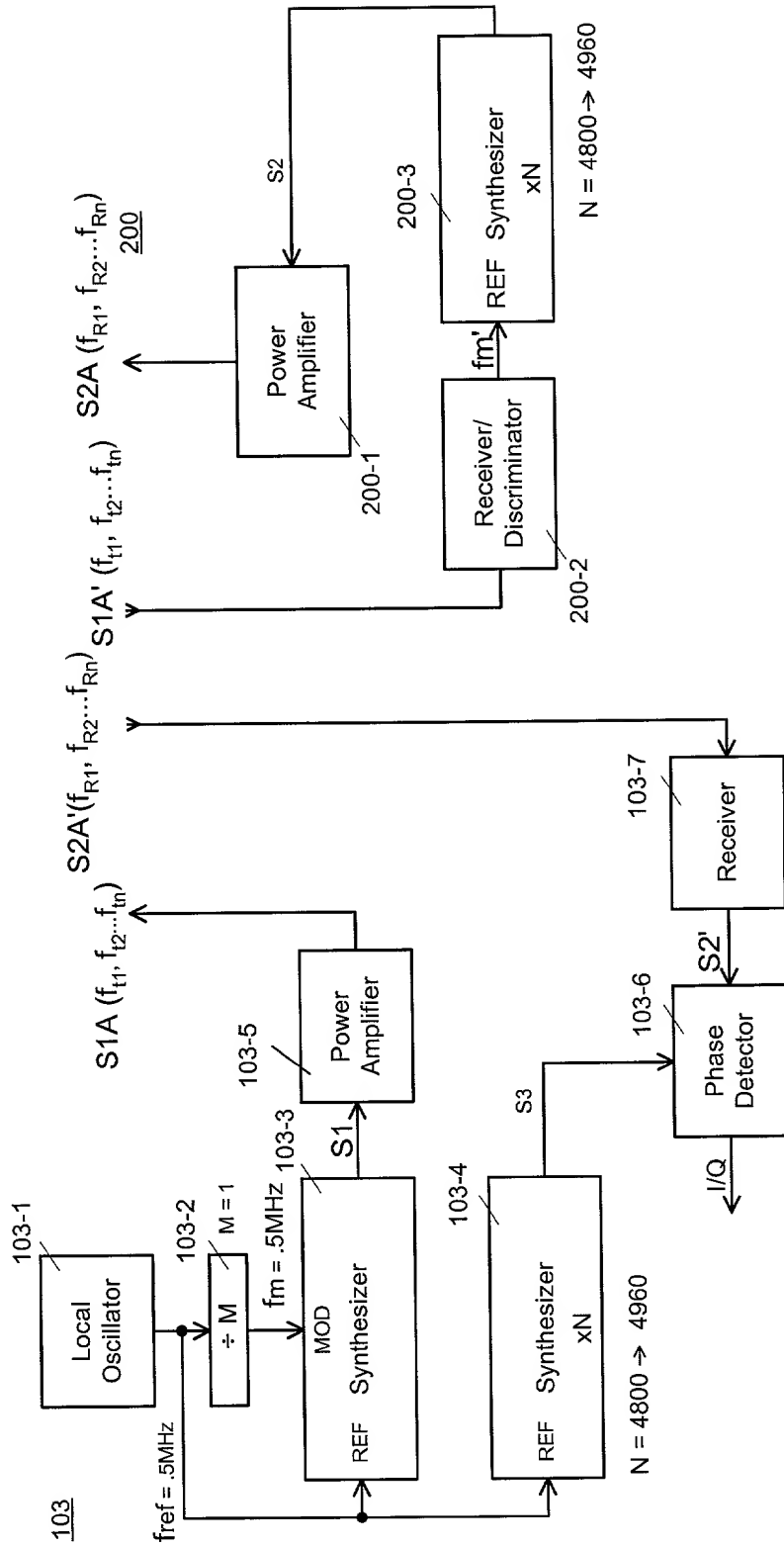


FIG. 5

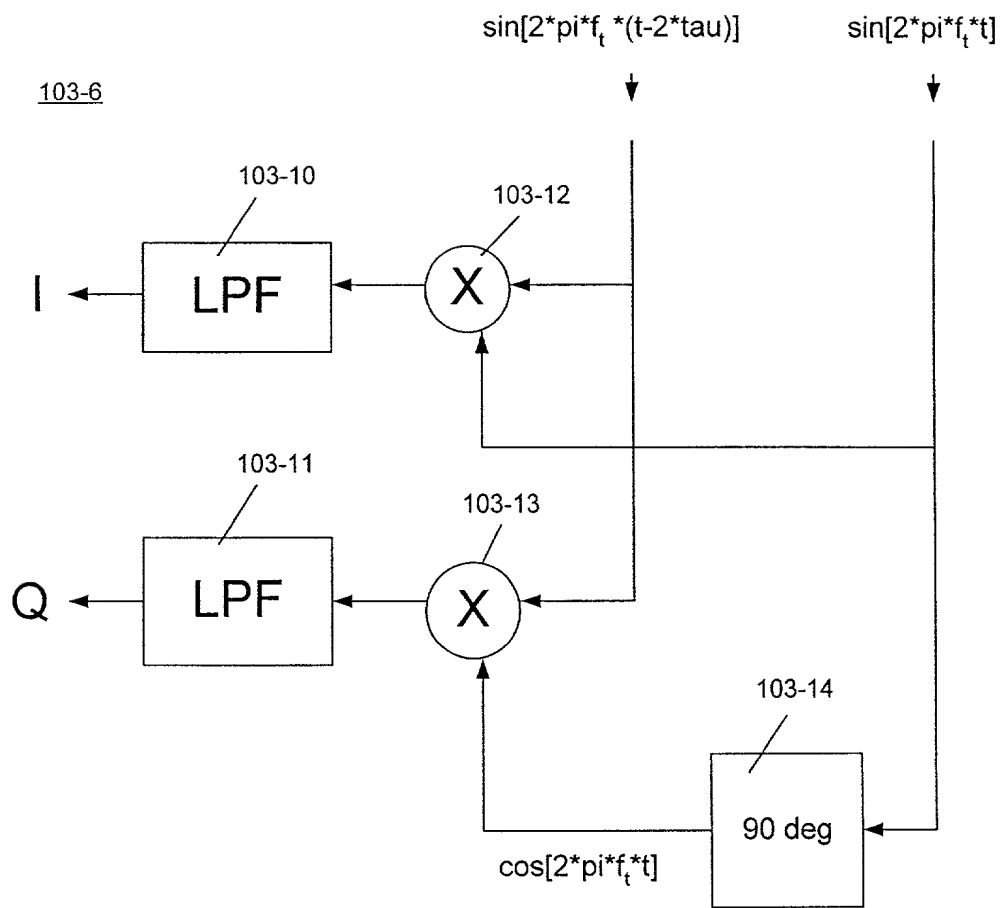
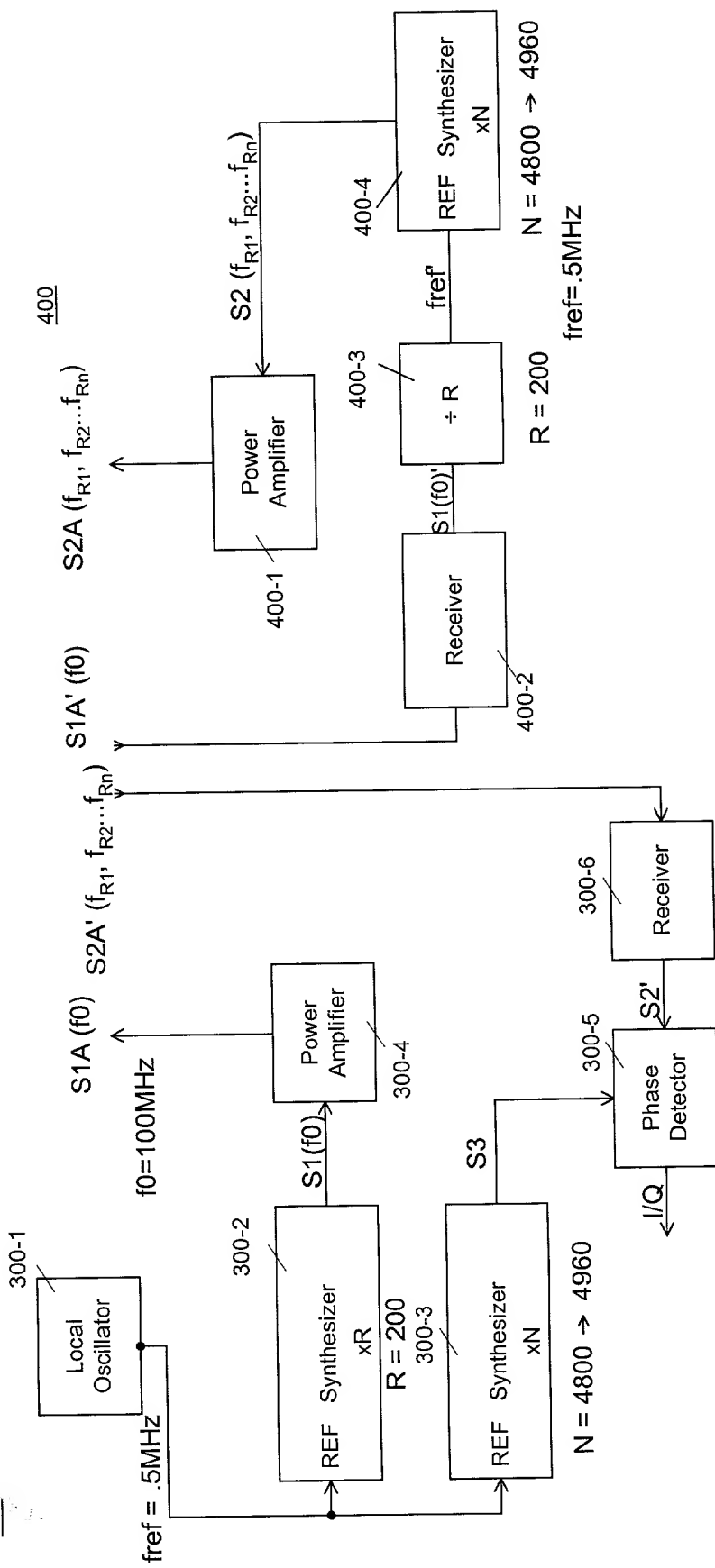


Fig. 6

300



REMOTE STATION

BASE STATION

FIG. 7

500

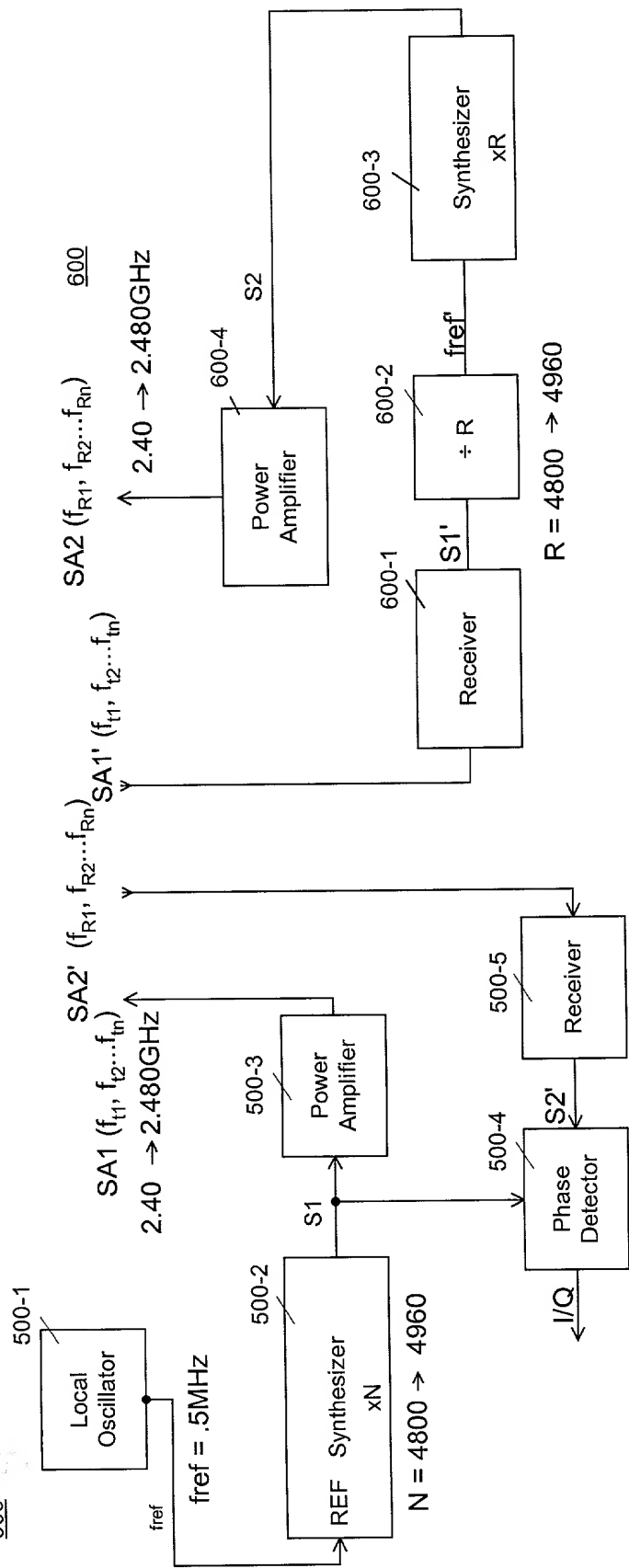


FIG. 8

FIG. 9

BASE STATION

REMOTE STATION

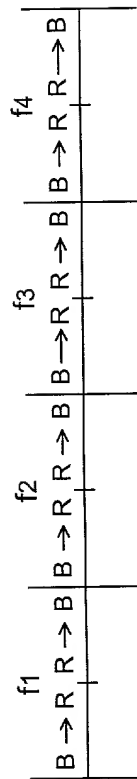
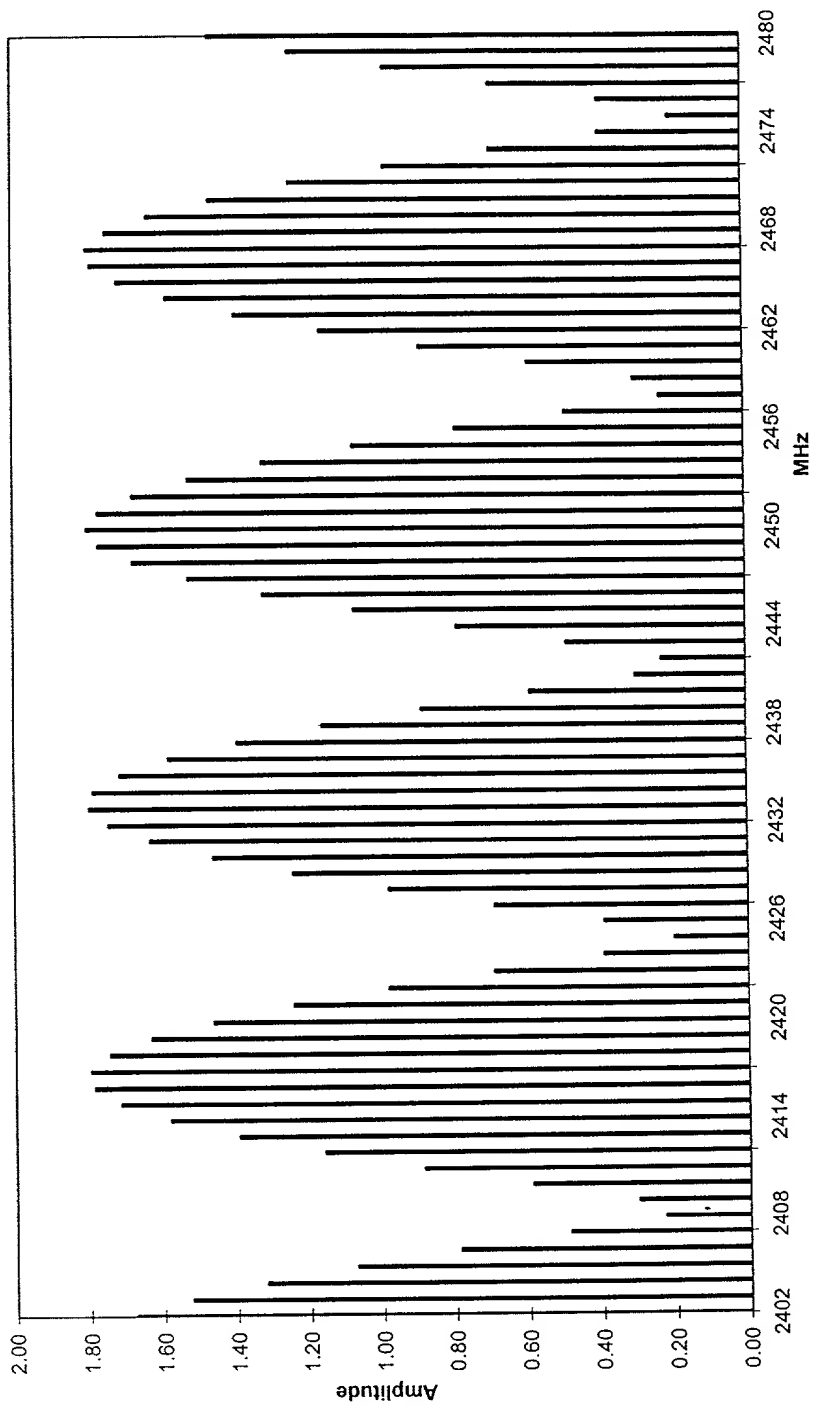
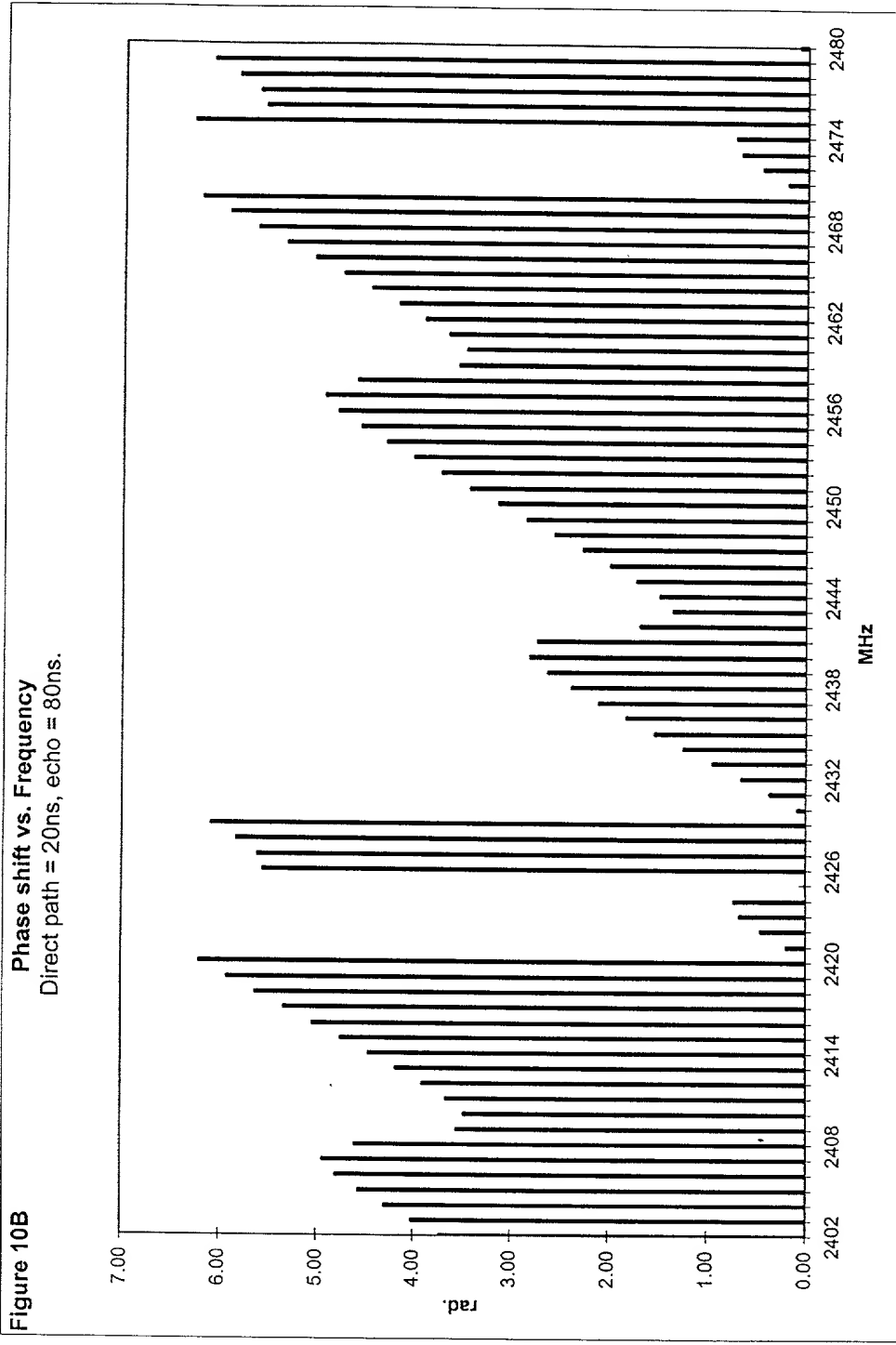


FIG. 9

Figure 10A

Amplitude vs. Frequency
Direct path = 20ns, echo = 80ns.





IFFT Result
Direct Path = 20ns, echo = 80ns.

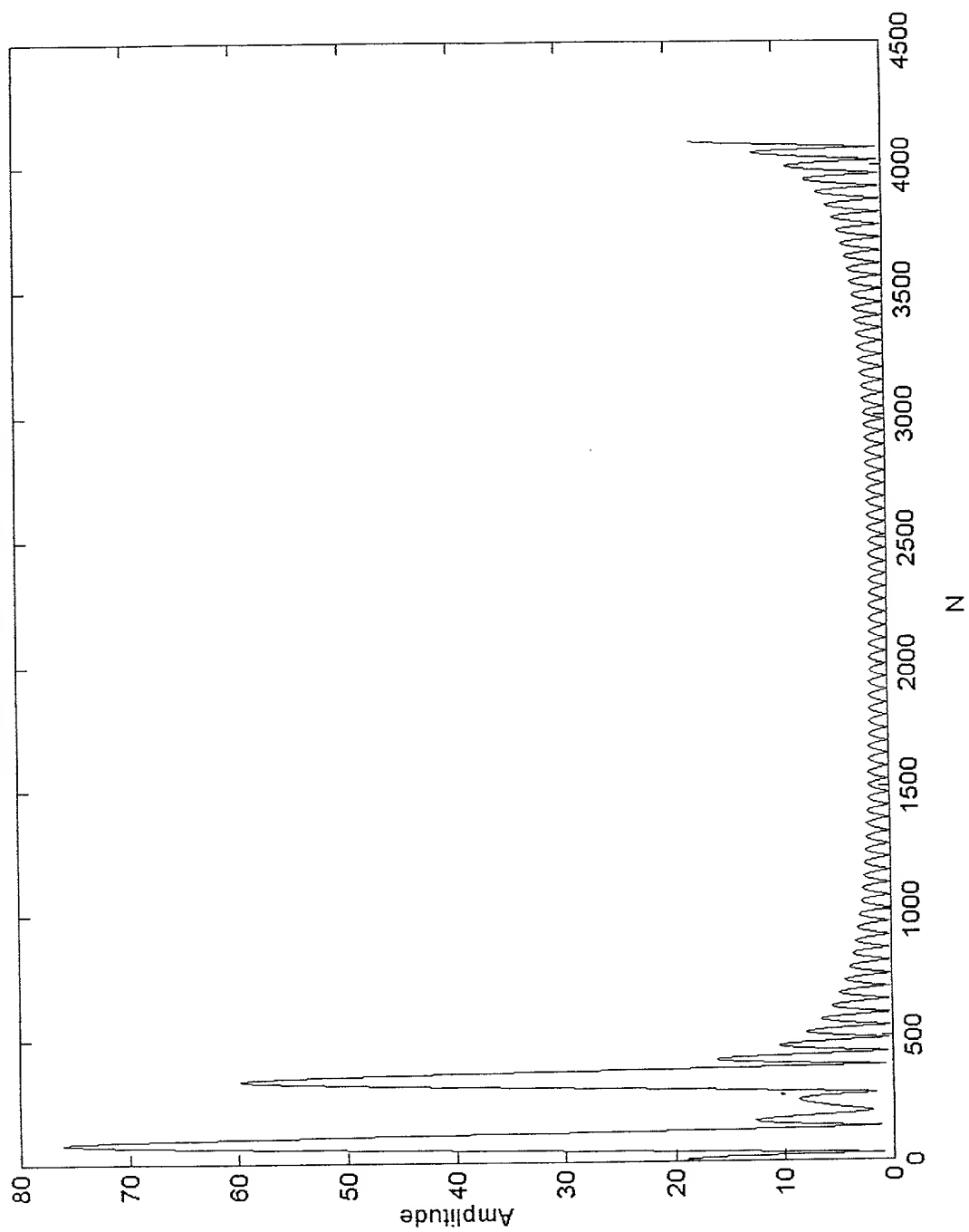


FIGURE 10C

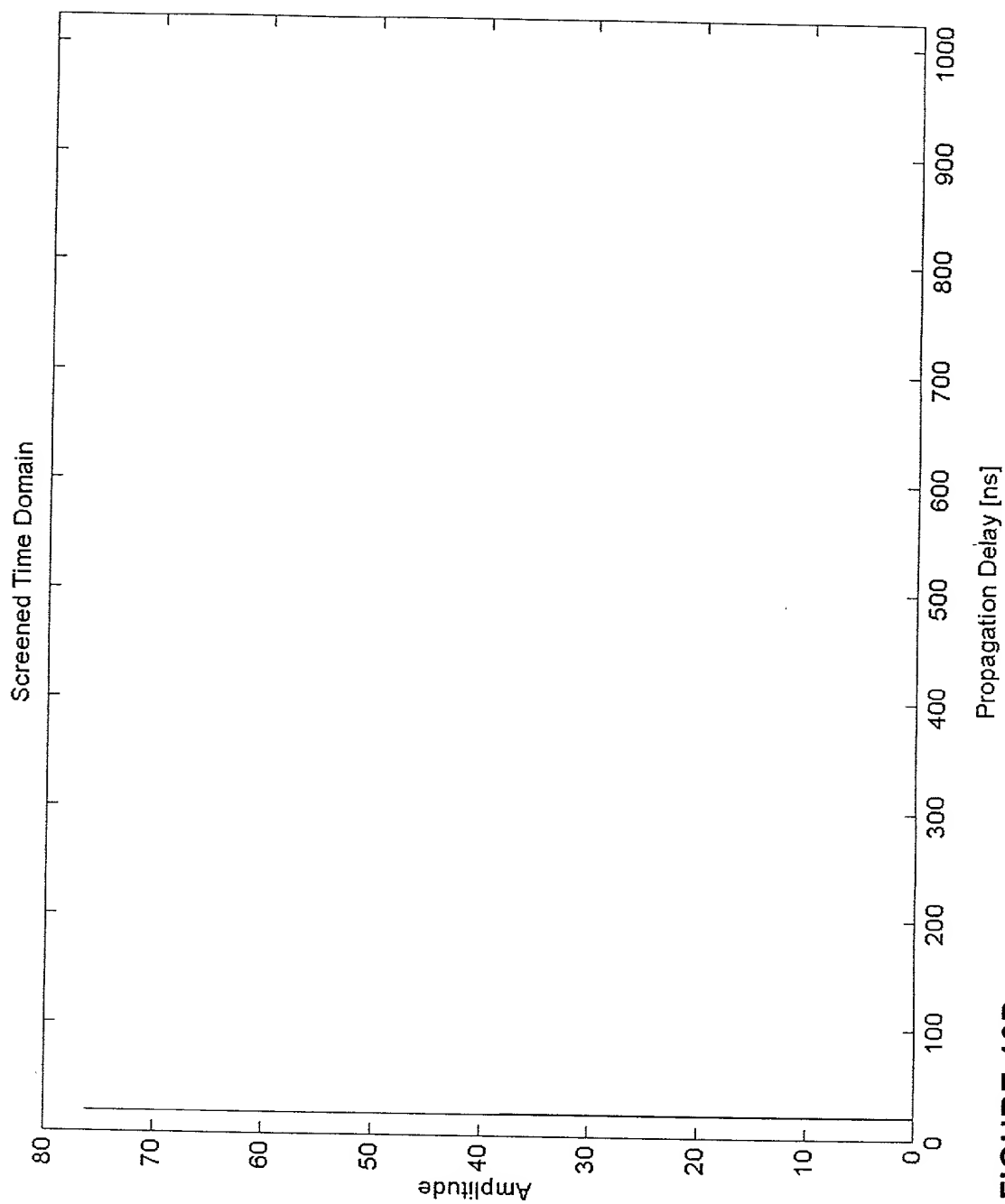


FIGURE 10D

Figure 10E shows the reconstructed phase of the signal.

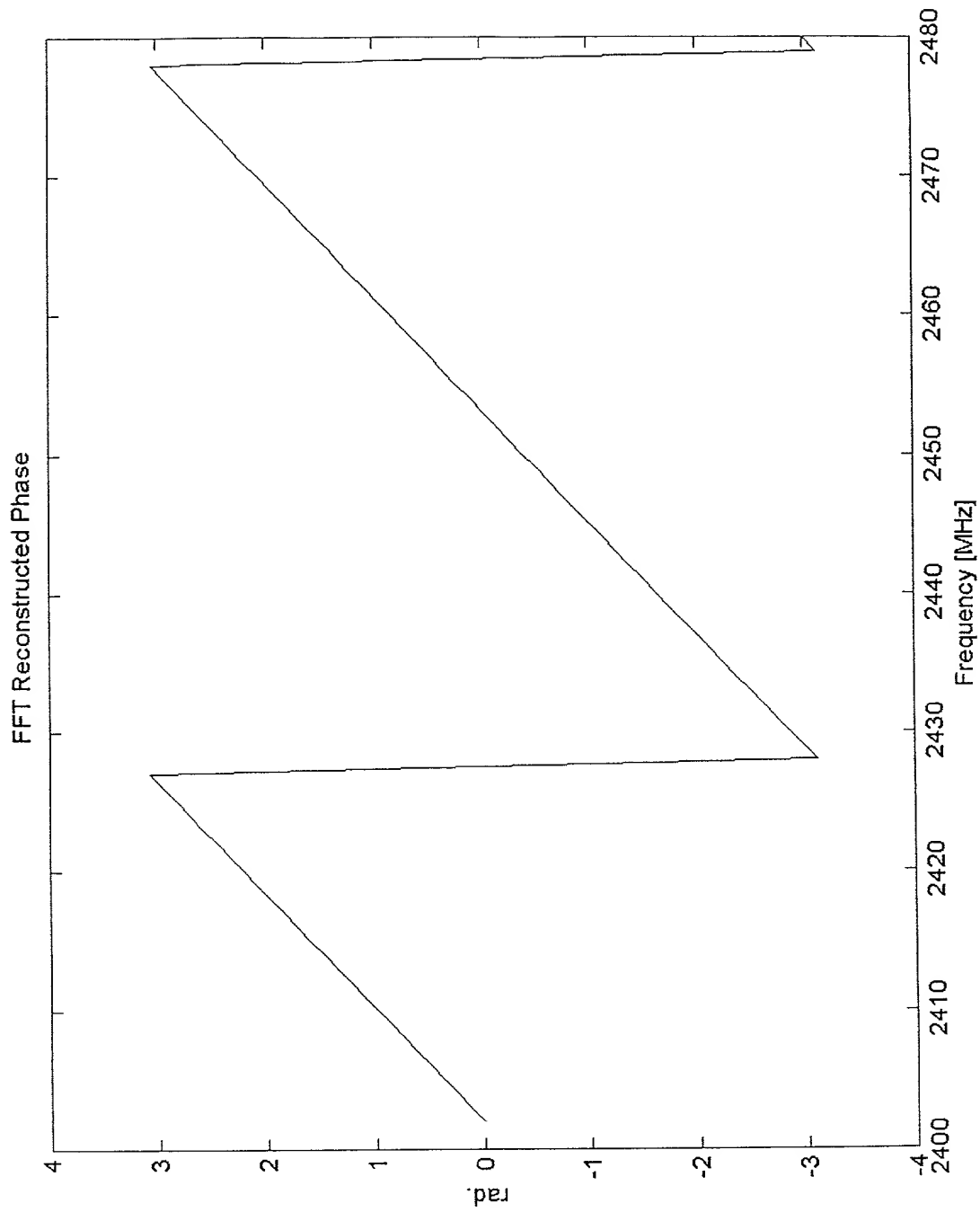
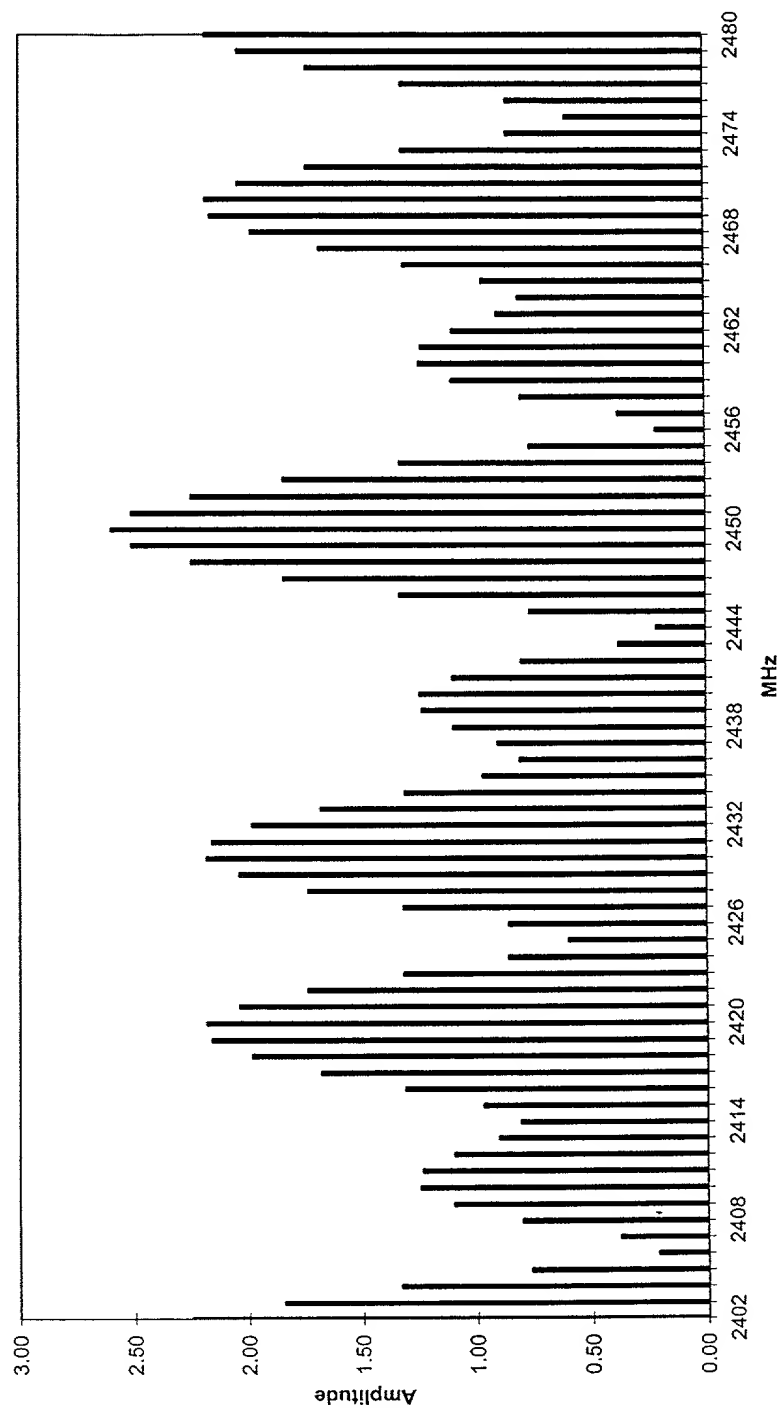
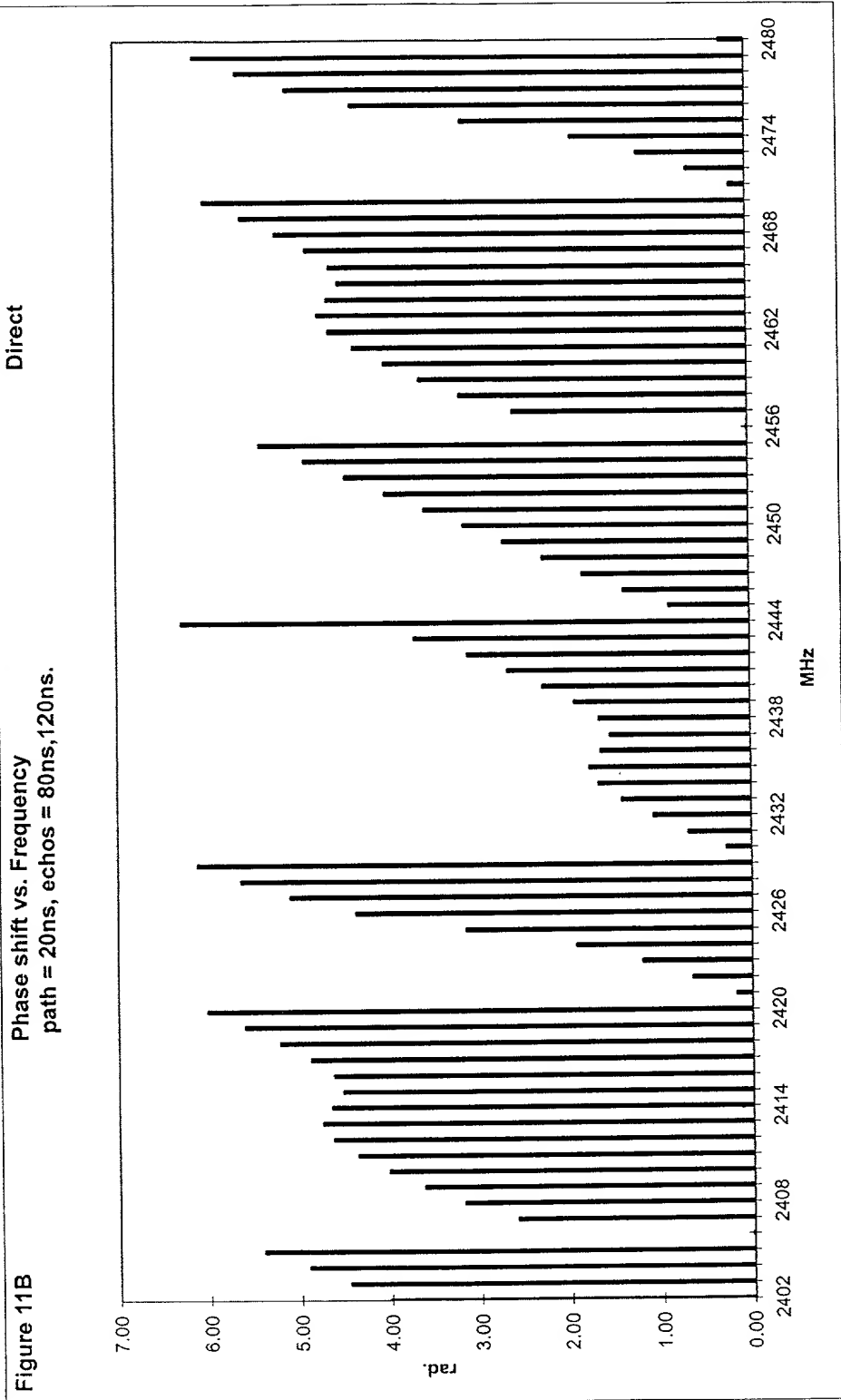


FIGURE 10E

Figure 11A Amplitude vs. Frequency
Direct path = 20ns, echos = 80ns, 120ns.





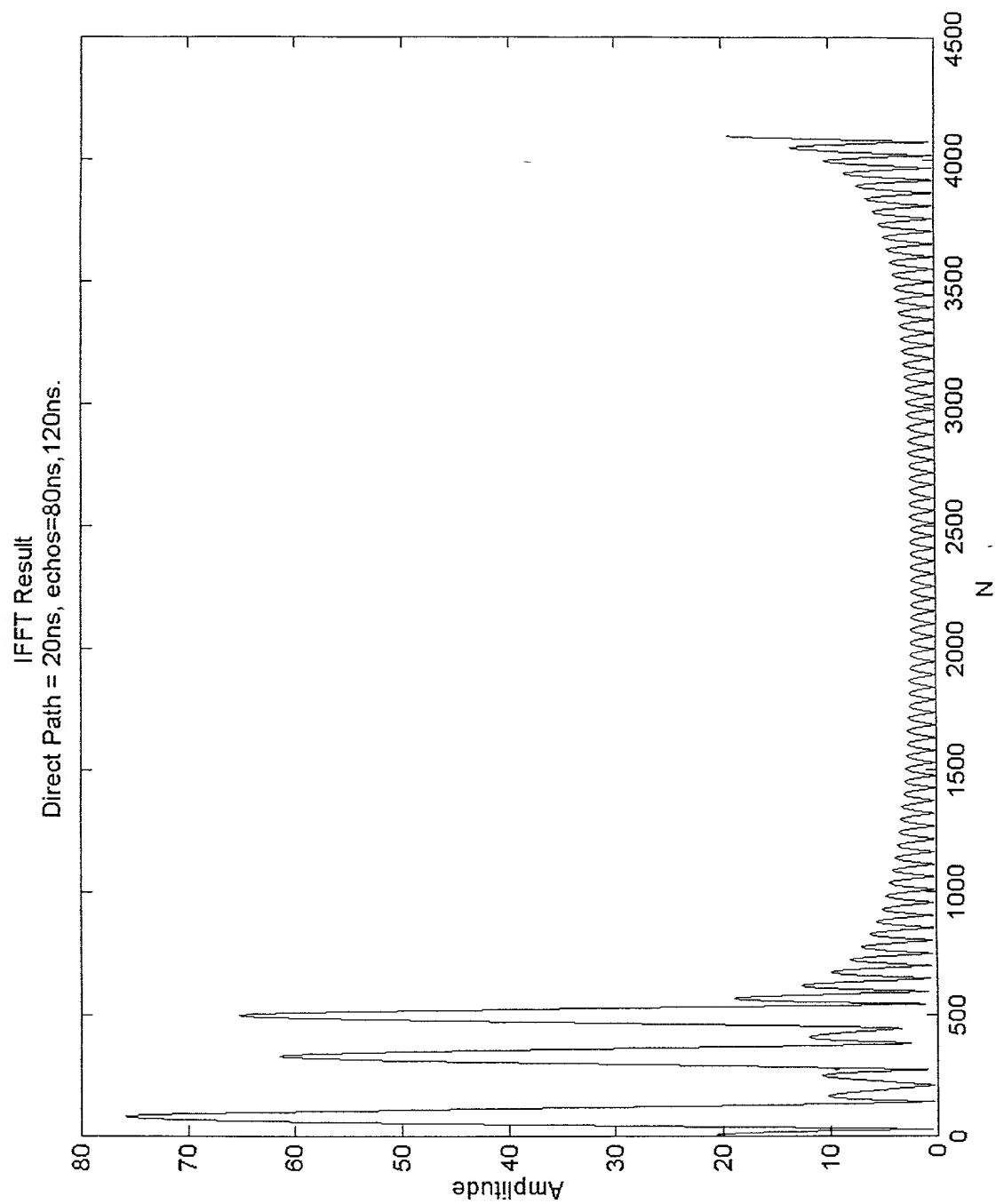


FIGURE 11C

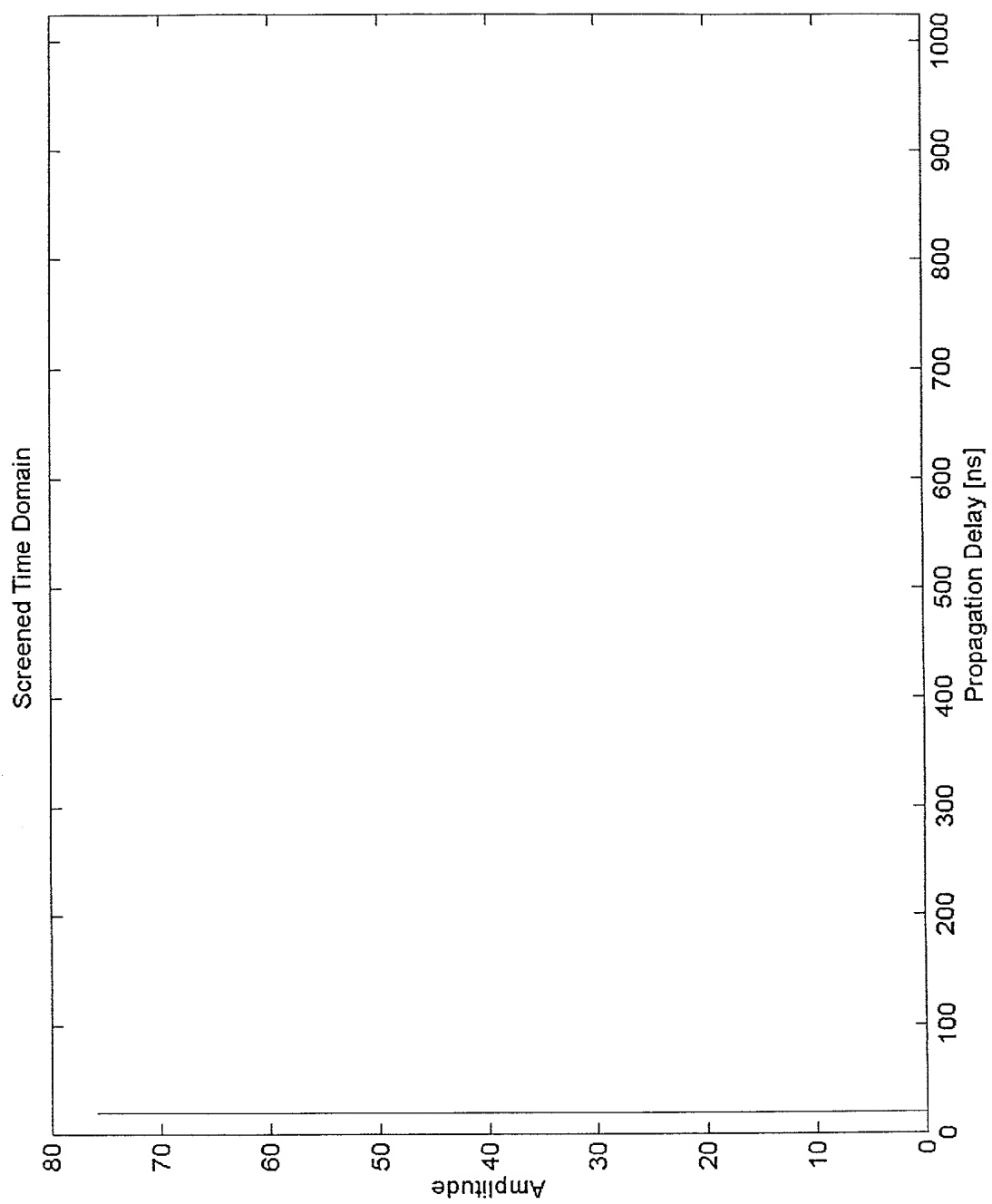


FIGURE 11D

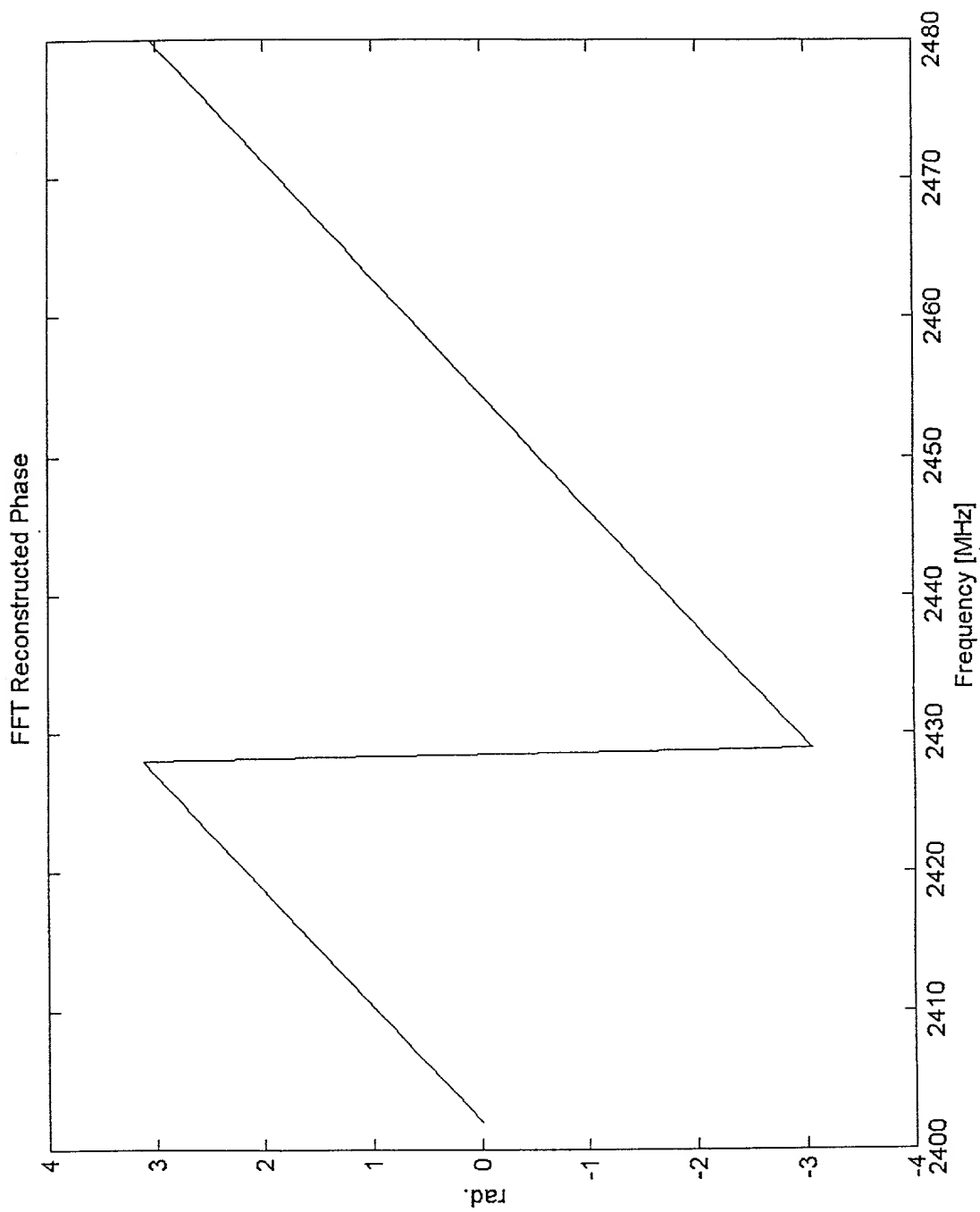


FIGURE 11E

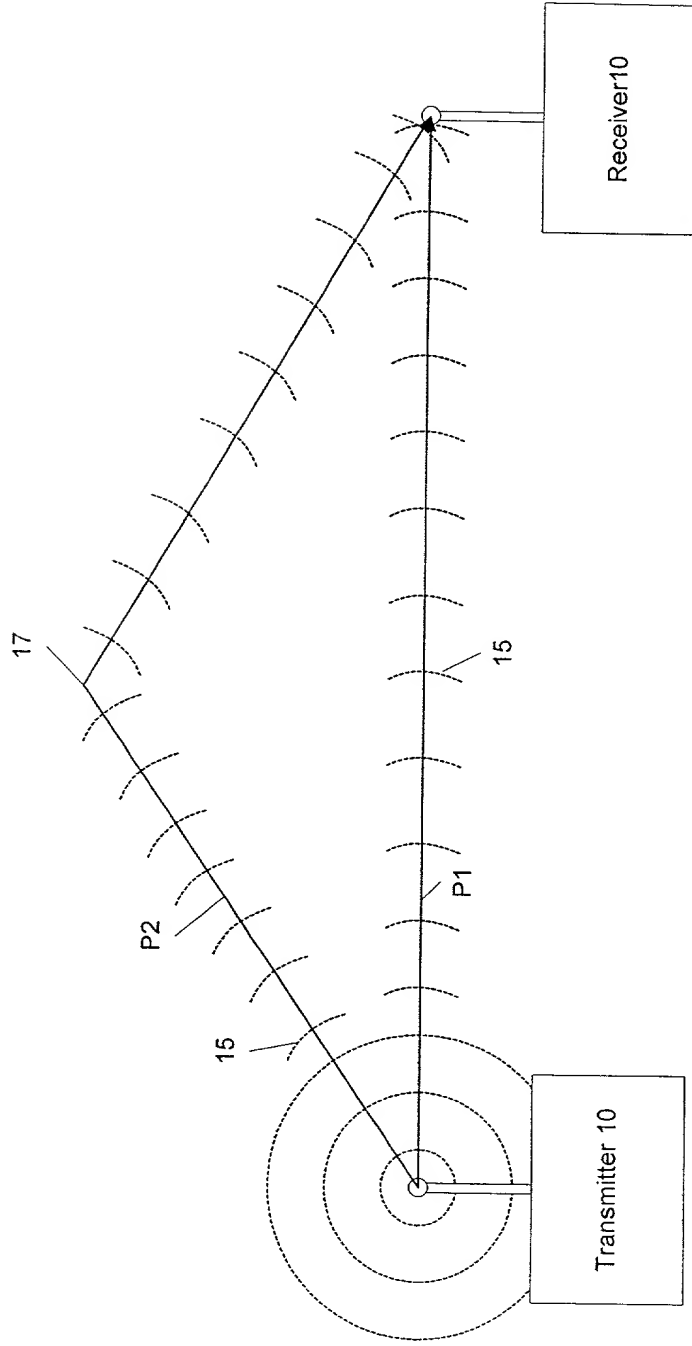


FIGURE 12